

**BY ORDER OF
THE COMMANDANT**

**AIR FORCE INSTITUTE OF TECHNOLOGY
INSTRUCTION 32-104**

12 MARCH 1999

Civil Engineering

HAZARDOUS MATERIAL



COMPLIANCE WITH THIS PUBLICATION IS MANADATORY

NOTICE: This publication is available digitally on the AFIT web site at:
<http://sc.afit.af.mil/infomgt/afitpf.htm>. If you lack access, contact your program manager.

OPR: AFIT/ENP (Belinda Johnson)

Certified by: AFIT/EN (Dr. Robert A. Calico)

Pages: 17

Distribution: F;X

The purpose of this Air Force Institute of Technology Instruction is to manage hazardous materials, reduce hazardous waste, minimize excessive quantities, prevent the release of chemicals into the environment, and ensure compliance with hazardous material and hazardous waste regulations.

1. Introduction. The Chemical Issue Point for AFIT has been on board with the Hazardous Material Pharmacy/Cell concept since 1994. This program follows the WPAFB requirements, responsibilities, and general procedures for managing HAZMAT throughout its life cycle. The following operating instruction addresses procurement, receipt, labeling, storage, issue, and use, to final deposition.

1.1. Organization Description. AFIT mission is to provide responsive, defense-focused graduate and continuing education, research, and consultation to improve Air Force and joint operational capability. Listed in Attachment 1, Table 1.1. is the AFIT hazardous zones under the following departments with organization descriptions that utilize hazardous materials and potentially generate hazardous wastes.

1.2. Processes. AFIT has one authorized Issue Point (IPB640A1) which supports the requisitioning, licensing, MSDS, labeling, and delivery of hazardous materials for all departments. All hazardous material acquisition shall be processed through Logistics Support Division (ENAL). Additionally, all hazardous material acquisition, usage, and turn-in shall be processed through the Issue Point Manager for tracking and management purposes.

1.2.1. The AFIT organization Issue Point operation does not have one centralized location for hazardous material storage. Each hazardous zone has authorized hazardous material storage cabinets managed by respective zone managers. It is the responsibility of the user of hazardous materials to record required information on sign-out sheets posted on the hazardous material storage cabinets. The required information to be recorded on the sign-out

sheet includes chemical name, serial number of container (from which hazardous material was taken), and amount used (by weight, quantity, etc.).

1.2.2. The Issue Point manager shall collect the sign-out sheets from the storage cabinets on a monthly basis. All required and recorded information shall be logged into the DM-HMMS computer database.

2. Obtaining Hazardous Material

2.1 Obtaining hazardous material under \$2,500.00.

2.1.1. The IMPAC card may be authorized to acquire hazardous material under \$2,500.00. The requester shall coordinate the WPAFB Form 1401, Hazardous Material IMPAC Request, through the Issue Point Manager, the Unit Environmental Coordinator, the IMPAC Card holder, and WPAFB HAZMAT Cell for authorization to purchase any hazardous material.

2.1.2. Prior to approval, the Issue Point manager shall check the following items: 1) the DM-HMMS HMEXCESS list and other base-wide issue points for material(s) that are available, 2) if a license (WPAFB Form 1403, Health and Environmental Certification Request) is required if the material is HAZ Code O or C, and 3) if the MSDS is loaded into the DM-HMMS.

2.1.3. Prior to approval, the Unit Environmental Coordinator shall ensure that there are no known “environmentally friendly” substitutions available on the market.

2.1.4. Prior to approval, the IMPAC Card holder shall ensure that the potential purchase meets all finance and contracting requirements as well as a need for the requesting organization.

2.1.5. Prior to approval, the HAZMAT Cell shall ensure all hazardous material management practices are followed as required by the WPAFB HMMP and AFI 32-7086, Hazardous Material Management. The HazMat Cell shall assign a MSDS number and HAZ Code to any hazardous material, which is not currently listed in the DM-HMMS.

2.1.6. Approval is required prior to any hazardous material purchase. Any purchase made without proper approval shall result in the revocation of IMPAC Card privileges.

2.2. Obtaining hazardous material over \$2,500.00

2.2.1. The requestors will submit DD1348-6 or AF Form 2005 when ordering materials costing over \$2500.00, through Base Supply.

2.2.2. The requester shall coordinate the hazardous material purchase request (WPAFB Form 1401) through the Issue Point Manager, the Unit Environmental Coordinator, the IMPAC Card holder, and WPAFB HAZMAT Cell for authorization to purchase any hazardous material.

2.2.3. Prior to approval, the Issue Point manager shall check the following items: 1) the DM-HMMS HMEXCESS list and other base-wide issue points for material(s) that are available, 2) if a license is required if the material is HAZ Code O or C, and 3) if the MSDS is loaded into the DM-HMMS.

2.2.4. Prior to approval, the Unit Environmental Coordinator shall ensure that there are no known “environmentally friendly” substitutions available on the market.

2.2.5. Prior to approval, the IMPAC Card holder shall ensure that the potential purchase meets all finance and contracting requirements as well as a need for the requesting organization.

2.2.6. Prior to approval, the HAZMAT Cell shall ensure all hazardous material management practices are followed as required by the WPAFB Hazardous Material Management Plan and AFI 32-7086 (Hazardous Material Management). The HazMat Cell shall assign a MSDS number and HAZ Code to any hazardous material, which is not currently listed in the DM-HMMS.

2.3. Check with the Self Help store for self help items.

2.4. Prior to approval, the material cannot be issued to the requester until the individual is assigned to a zone or Process Exposure Group (PEG). If personnel changes are made within a PEG or a PEG is to be created the HAZMAT Cell Issue Point Coordinator should be notified by completing WPAFB Form 1407, Zone/Employee Input and WPAFB Form 1408, Supervisor/Employee Movement Input for moving or deleting employees.

3. Receipt, Labeling and Storage of HazMat

3.1. Receipt. Items over \$2,500.00 are received at the Hazardous Materials Warehouse in Area C, Bldg. 1 and then later transferred to the AFIT issue point for distribution. IMPAC buy orders under \$2,500.00 are shipped directly to the card holder and distributed to the requestor(s).

3.2. Labeling. The Hazardous Materials Warehouse employees inspect and label the material(s) with the proper MSDS and serial number for base supply orders. The IMPAC buys are labeled by the issue point manager or ENAL personnel. This should all be done within one working day.

3.3. Storage of HAZMAT. The chemical(s) are placed in the proper cabinet and zone (shelf/bin) by the zone manager or requestor:

3.3.1. Storage locations of HazMat are located in different zones as described in section 1.1.

3.3.2. The shelf-life is periodically checked on the DM-HMMS SLED menu. Materials will be used in the order they are received to ensure that they will be used before their expiration date. Expired material is review by a Base Supply inspector for the extension of the shelf-life.

3.3.3. Spill Plans are posted where materials are stored. Users will be required to review this information.

4. Distribution and Tracking of HazMat.

4.1. The chemical usage information (employee name, amount used in kilograms, serial number of material used) is logged by the employees assigned to the zone (shelf/bin) which is posted on each cabinet the material resides.

4.2. At the end of each month the log sheets information zone manager reports the status of the chemical(s) used by serial number(s), amount, and date manually logged by the user to the issue point manager for DM-HMMS input.

4.3. Usable hazardous materials that are no longer needed by an AFIT organization shall be transferred to the HMEXCESS issue point. The materials will be available to others across the base for the next 60 days through the Excess Materials Program.

4.4. If no one has use for the usable hazardous material(s), upon the decision of Base Supply it will become DRMO's property.

4.5. If the hazardous material has an expired shelf life, or is contaminated, or has no functional use on the base, it shall be turned-in as a hazardous waste.

4.6. Hazardous material shall be re-used and/or recycled wherever possible.

4.7. The HazMat Cell has authorized AFIT to function in the manner set forth in this AFITI.

5. Development of a Continuity Binder by the Issue Point Manager shall have the following information:

5.1. Chronological Record

5.2. Policies, Procedures, Variances and Profiles

5.3. Denials Listing

5.4. Zones and Employees

5.5. Licenses

5.6. Real-time Inventory

5.7. Material Safety Data Sheets (MSDS)

5.8. Miscellaneous

5.9. Redistribution/Disposal of Excess HazMat

JOHN H. RUSSELL, Colonel, USAF
Commandant
Air Force Institute of Technology

Attachments:

1. Table 1.1 AFIT Hazardous Zones
2. Overview of HAZMAT Management at WPAFB
3. Abbreviations
4. Definitions
5. WPAFB FORM 1401 HAZARDOUS MATERIAL IMPAC REQUEST
6. WPAFB FORM 1403 HEALTH ENVIRONMENTAL CERTIFICATION REQUEST
7. WPAFB FORM 1407 ZONE/EMPLOYEE INPUT
8. WPAFB FORM 1408 SUPERVISOR/EMPLOYEE MOVEMENT INPUT

Attachment 1

Table 1.1. AFIT Hazardous Zones

Office Symbol/Zone(s)	Location
ENP	
B640B1	
B640B1-S	Bldg. 640, 1 st floor, Rooms 121 – 131 & 134F.
B640B3	
B640B3-S	Bldg. 194, Room 3 and 24
B640B5	
B640B5-S	Bldg. 640, Basement, Room 66
B470A1	
B470A1-S	Bldg. 470, Room Chemical Laboratory
ENY	
B640C1	
B640C1-S	Bldg 640, Room 141, 148, 149E, 150
ENV	
B470C1	
B470C1-S	Bldg. 470, Room 200
ENAF	
B470B1	Bldg. 470, Room 108 Model Shop, Paint Booth
ENG	
B125B1	
B125B1-S	Bldg. 125, Room 1065
LD	
FACB642A1	Bldg. 642, Room 1301 AFIT Library
NOTE: -S are student Zones or PEGs	
ENP -Laser dyes, solvents, acids used in semiconductor research	
ENY -solvents, polishing solutions are used in aeronautical research	
ENAF -model shop use of paints and solvents.	
ENV -environmental research using solvents, jet fuel, bases and pesticides.	
ENG -acids, bases, and solvents used in microelectronic research	
LD - toner cartridges used in copier in the library	

Attachment 2

A1. Overview of HazMat Management at WPAFB

This section of the HMMP is intended to describe the basic HazMat management policies at WPAFB. It is intended merely as an overview. Section 3.0 and 4.0 present more detailed procedures and references focused on specific types of base organizations.

A1.1. Definition of Hazardous Materials

HazMat can be defined in many different ways based on regulations promulgated by EPA, OSHA, and DOT. However, Environmental Management, in conjunction with Bioenvironmental Engineering, has developed a WPAFB HazMat classification system to designate different levels of hazards associated with different materials. The HazMat Cell has designated four classification categories (HAZ Codes A, B, C, and O) that dictate the level of approval necessary for procurement (from least strict to most strict, respectively). Section 2.1.2 provides the general guidelines used to assign HAZ Code designations to materials at WPAFB.

A1.1.1. Regulatory Definitions

Hazardous material: Any substance or material, in any quantity or form, that has the potential to harm human health or the environment. HazMat includes materials which are chemical hazards and/or physical hazards. The materials listed as hazardous in Superfund Amendments and Reauthorization Act (SARA), Title 313d, and subsequently all products containing these materials as constituents in percentages above safe levels as determined by the EPA and OSHA studies, are considered hazardous. Specific hazardous substance definitions may be found in OSHA 29 CFR 1910.1200, 29 CFR 1910.1000, subpart Z, Toxic and Hazardous Substances; EPA 40 CFR Chapter 1, Table 302.4, Section 261.33; Section 302 of SARA Title III; the EPA List of Lists; and Department of Transportation 40 CFR Section 172.101, Hazardous Material Table. HazMat stock class numbers and their definitions can be found by using Federal Standard 313C, Table I and II in lieu of specific information.

A1.1.2. WPAFB's Definitions of Hazardous Material : HAZ Codes A,B,C, and O.

The information provided in this section defines the general guidelines that the Bioenvironmental Engineers located within the HAZMAT Cell use to assign HAZ Codes. This information can assist HazMat users in selecting the least hazardous material possible. In general, HAZ Code A materials are not tracked, however, they must be evaluated for hazardous characteristics/constituents prior to disposal. HazCode C materials are more hazardous than those in HAZ Code B. HAZ Code O materials are considered separately because they contain potential ODSs.

It should be noted that many factors like physical state, exposure levels, and planned use can effect the HAZ Code designation. A material may be non-hazardous (nitrogen for example), but, when contained in a pressurized cylinder, it can be designated HAZ Code B. This policy was instituted because cylinders have had a problematic history. On the other hand, a highly toxic substance (mercury) could be encased in a thermometer or a piece of diagnostic equipment and receive a lower HAZ Code than a "C" because personnel exposure is limited by its physical state. Materials are also evaluated to determine the potential of them becoming hazardous wastes.

A1.1.2.1. HAZ Code A

Any material that may have hazardous properties, but is not considered a significant threat to human health, but has potential disposal concerns, is classified as HAZ Code A. **Although these items are a low hazard to human health, they should be evaluated for hazardous characteristics/constituents prior to disposal. Contact the 88 ABW/EMC, Waste Management Branch for proper evaluation and disposal guidance.** HAZ Code A materials are not tracked in the HAZMAT Tracking System and

can be ordered at any time after the approval / coordination with the HAZMAT Cell. Examples of commonly ordered HAZ Code A items are provided in Table A1.1.

Table A1.1. List of Low-Hazard Items 1 Mar 98

Batteries, sealed, no maintenance	Glue, Elmer
Buffer solution	Glue, Krazy
Cement rubber	Lamps, fluorescent
Cleaners, (household - Ex.	Leak detectors
Windex, Tilex, scouring powder)	Lotion, hand & body
Cleaner, hand	Protectant, Armor All
Cleaner, marker board	Plant food
Correction fluid	Soap, car wash
Cream, waterless hand	Soap, hand
Cream, skin	Spill kit
Detergent, laundry	Toner cartridges
Detergent, general	Wax, floor
Deodorant/air freshner	Wax, furniture
Distilled water	Wax, car

All 4240 Federal Stock Class (FSC) items and radioactive materials are also classified as HAZ Code A even though they pose a potential hazard to human health. 4240 materials are considered to be respiratory hazards and cannot be procured without approval of the Bioenvironmental Engineering Flight. Radioactive materials cannot be procured without a radiation permit that is issued by the USAF Radioisotope Committee and monitored by the Radiation Safety Branch (88th ABW/EMB). These materials are tracked by the referenced organizations and therefore not tracked by the HAZMAT Cell.

A1.1.2.2. HAZ Code B

Any HAZMAT whose constituents are greater than one percent of any chemical that is classified as an EPCRA Section 313/Toxic Release Inventory (TRI) chemical or considered a disposal hazard. A list of the over 600 TRI chemicals is available for review on the WPAFB Office of Environmental Management Home Page.

A1.1.2.3. HAZ Code C

Any HAZMAT whose constituents are greater than one percent by volume of any chemical classified as EPA 17 Industrial Toxins, AFMC 24 chemicals carcinogens, teratagens, or mutagens.

The EPA 17 Industrial Toxins and AFMC 24 chemicals are provided in Tables A1.2. and A1.3., respectively:

Table A1.2. EPA 17 Industrial Toxins

Benzene	Methyl Ethyl Ketone (MEK)
Cadmium and Compounds	Methyl Isobutyl Ketone (MIBK)
Carbon Tetrachloride	Nickel and Compounds
Chloroform	Tetrachloroethylene (Perchloroethylene)
Chromium and Compounds	Toluene
Cyanides	Trichloroethane
Dichloromethane	Trichloroethylene
Lead and Compounds	Xylene
Mercury and Compounds	

Table A1.3. AFMC 24 Chemicals

1,1,1 Trichloroethane	Methanol
Ammonia	Methylene Chloride
CFC-11	MIBK
CFC-113	Nickel
CFC-12	Nitric Acid
Chlorine	Perchloroethylene
Chromium	Phenol
Ethylene Glycol	Phosphoric Acid
Glycol Ethers	Potassium Ferricyanide
HCFC-22	Toluene
Lead	Xylene
MEK	Zinc

A1.1.2.4. HazCode O

Any HAZMAT whose constituents include Class I Ozone Depleting Chemicals (ODCs) or a combination of these chemicals. A list of Class I ODCs is provided below:

Table A1.4. Class I ODCs

Hydrocarbon Number	Chemical Name (all Isomers)
CFC-11	Trichlorofluoromethane
CFC-12	Dichlorodifluoromethane
CFC-13	Chlorotrifluoromethane
CFC-111	Pentachlorofluoroethane
CFC-112	Tetrachlorodifluoroethane
CFC-113	Trichlorotrifluoroethane
CFC-114	Dichlorotetrafluoroethane

Table A1.4. Class I ODCs (continued)

Hydrocarbon Number	Chemical Name (all Isomers)
CFC-115	Chloropentafluoroethane
CFC -211	Heptachlorodifluoropropane
CFC-212	Hexachlorodifluoropropane
CFC-213	Pentachlorotrifluoropropane
CFC-214	Tetrachlorotetrafluoropropane
CFC-215	Trichloropentafluoropropane
CFC-216	Dichlorohexafluoropropane
CFC-217	Chloroheptafluoropropane
HCFC-22B1	--
Halon 1211	Bromochlorodifluoromethane
Halon 1301	Bromotrifluoromethane
Halon 2402	Dibromotetrafluoroethane
--	Carbon Tetrachloride
--	1,1,1-trichloroethane (Methyl Chloroform)
	Methyl Bromide

Attachment 3

ABBREVIATIONS

AFITI – Air Force Institute of Technology Instruction

DM-HMMS - Depot Maintenance-Hazardous Materials Management System.

DRMO – Defense Reutilization Marketing Office

HAZ Code – Hazardous Material Code

HAZMAT – Hazardous Material(s)

IMPAC – International Merchant Purchase Authorization Card

HMC- Hazardous Material Cell

HMEXCESS – Hazardous Material Excess

HMMP – Hazardous Material Management Plan

IP – Issue Point

MSDS - Material Safety Data Sheet.

PEG – Potential Exposure Group or Exposure Zone

SLED – Shelf Life Extension Data

UEC – Unit Environmental Coordinator

Attachment 4

Definitions

Command Core System (CCS) – A centralized computer database used by Bioenvironmental Engineering Services to collect and maintain employee information related to occupational health hazard exposure data.

DM –HMMS – Is a computer database designated by AFMC to provide management with a tool for complying with Hazardous Communication (HAZCOM) and Air Force regulations. DM-HMMS is a tool to control the issue of HAZMAT to authorized users and tracks HAZMAT issued to all DM-HMMS customers.

HAZ Code – A code used in the DM-HMMS to identify and define the hazard(s) associated with the materials as determined by the HMC Bioenvironmental Engineering personnel.

Issue Point – A centralized location where HAZMAT is received, stored, transferred, and issued. However, AFIT cannot have a centralized location for chemical storage because of the distance chemicals would be transported is a hazardous risk. An IP is commonly referred to in the DM-HMMS as a Hazardous Distribution Supply Center (HDSC). The HDSC assigned for AFIT is IPB640A1.

Material Safety Data Sheet (MSDS) – A summary of safety, health, and emergency response information provided by the product manufacturer or distributor as required by Occupational Health and Safety Association (OHSA). The MSDS contains information about the material ingredients and hazards associated with a particular chemical(s), as well as the required or suggested personal protective equipment used with the chemical(s). A MSDS for the HAZMAT being procured must be locally accessible and readily available within the work center or in the possession of the user prior to the HAZMAT being issued.

Potential Exposure Group (PEG)/Exposure Zone - A person or group of people who as a result of their work, share a common set of potential or actual exposures to workplace health hazards. PEGs can also be referred to as Exposure Zones and are established and maintained by the HAZMAT Cell (HMC) for the DM-HMMS database and by the 74 AMDS/SGPB for the Command Core database.

Attachment 5

Hazardous Material IMPAC Request				
Name			Office/Phone #	
HDSC (Issue Point)		ZONE		ORG/SHOP CODE
Manufacture				
MFG PART #		U/I	QTY	UNIT COST
ITEM NAME/TYPE				
DESCRIPTION				
VENDOR NAME				
ADDRESS/PHONE				
Can another material which is SAFER be substituted?			YES <input type="checkbox"/> NO <input type="checkbox"/>	
Have you ever ordered this through the HAZMAT CELL?			YES <input type="checkbox"/> NO <input type="checkbox"/>	
If YES please provide the following:		STOCK NUMBER		MSDS#
Atchs: 1. MSDS sheet 2. License Application (<i>if required by the Hazardous Material Cell</i>)				
Signature Coordination				
Requestor/User	Name		Signature	Date
Issue Point Manager	Name		Signature	Date
Unit Environmental Cord (UEC)	Name		Signature	Date
Hazardous Material Cell		<input type="checkbox"/> APPROVED. New stock number _____ Haz Code _____ <input type="checkbox"/> DISAPPROVED/PENDING. License is required for the Bio-zone <input type="checkbox"/> DISAPPROVED. Item should be bought through Hazardous Material Cell		
		Signature of HazMat Cell Approving Official		Date
AFTER MATERIAL HAS BEEN PURCHASED AND RECEIVED, PLEASE PROVIDE THE FOLLOWING TO THE HAZARDOUS MATERIAL CELL.				
TRACKING LABEL SERIAL NUMBERS FOR NEW MATERIALS:				

Attachment 6

HEALTH AND ENVIRONMENT CERTIFICATION REQUEST					Haz Mat Tracking Number:	
SECTION I – REQUESTER DATA				1. TYPE REQUEST: <input type="checkbox"/> INITIAL <input type="checkbox"/> RENEWAL		
2. ORGANIZATION		3. OFFICE SYMBOL		4. WORKPLACE TITLE		5. DATE
6. SUPPLY ACCT CODE		7. EXPOSURE ZONE		8. LOCATION		9. MSDS/LICENSE NUMBER
10. NSN/LSN				11. NOUN		12. UNIT OF ISSUE
13. DISPENSED YES <input type="checkbox"/> NO <input type="checkbox"/>		14. DISPENSED UNIT OF ISSUE		15. ISSUE AMOUNT (Single Draw)		16. FREQUENCY OF ISSUE
17. PART NUMBER AND TRADE NAME			18. MATERIAL SPEC (Mil-Spec, Fed-Spec, etc.)			19. MONTHLY REQUIREMENT
20. MANUFACTURER'S NAME			21. MANUFACTURER'S ADDRESS (City and State)			22. CAGE/FSCM NUMBER
23. JUSTIFICATION (State T.O., callout, manufacturer's callout, work specs, drawings, etc.)						
24. CAN ITEM BE SUBSTITUTED YES <input type="checkbox"/> NO <input type="checkbox"/>		25. SUITABLE SUBSTITUTE AVAILABLE: (Provide additional remarks if necessary)				
25. PROCESS (Fully describe WORK ACTIVITY, PROCESS, and MINIMUM QUANTITY of material required in which this material is used, identify method of application and applicable end item)						25a. NEW PROCESS YES <input type="checkbox"/> NO <input type="checkbox"/>
SECTION II – HEALTH CERTIFICATION DATA						
26. PERSONAL PROTECTIVE CLOTHING/EQUIPMENT (PPE) AND/OR ENGINEERING CONTROLS						
AREA OF PROTECTION		TYPE OF PROTECTION		ENGINEERING/ADMINISTRATIVE CONTROLS		YES NO
EYE PROTECTION (Goggles)				PROCESS/MATERIAL (Enclosed/Isolated)		<input type="checkbox"/> <input type="checkbox"/>
FACE PROTECTION (Shield)				PROCESS AUTOMATED		<input type="checkbox"/> <input type="checkbox"/>
HAND PROTECTION (Gloves)				PROCESS HEATED		<input type="checkbox"/> <input type="checkbox"/>
ARM PROTECTION (Gauntlets)				LOCAL EXHAUST/DILUTION VENTILATION		<input type="checkbox"/> <input type="checkbox"/>
BODY PROTECTION (Coveralls)				DOORS/WINDOWS KEPT OPEN		<input type="checkbox"/> <input type="checkbox"/>
RESPIRATOR (Half Face)				USED ONLY OUTDOORS		<input type="checkbox"/> <input type="checkbox"/>
RESPIRATOR (Full Face)				EMERGENCY EYEWASH/SHOWER		<input type="checkbox"/> <input type="checkbox"/>
RESPIRATOR (Air supplied)				EXPOSURE TIME CONTROLLED		<input type="checkbox"/> <input type="checkbox"/>
OTHER PPE/ENGINEERING CONTROLS IN-PLACE (Explain):						
27. ARE EMPLOYEES TRAINED IN USE OF MATERIAL IAW AFOSH STD 161-21, HAZARD COMMUNICATION						<input type="checkbox"/> YES <input type="checkbox"/> NO
28. MATERIAL SAFETY DATA SHEET (MSDS) ON FILE?						<input type="checkbox"/> YES <input type="checkbox"/> NO
SECTION III – ENVIRONMENTAL CERTIFICATION DATA						
29. DISPOSAL METHOD FOR WASTE GENERATION						
<input type="checkbox"/> Totally Consumed in Process		<input type="checkbox"/> Drummed		<input type="checkbox"/> IWTP by Bulk		<input type="checkbox"/> Recycle Off Site
<input type="checkbox"/> Partially consumed In Process		<input type="checkbox"/> IWTP Drain		<input type="checkbox"/> Bulk Tanks		<input type="checkbox"/> Recycle On Site
						<input type="checkbox"/> Air Emission
30. HIGH VOLATILE ORGANIC COMPOUND (VOC) <input type="checkbox"/> YES <input type="checkbox"/> NO				33. PHYSICAL HAZARD? (Unmixed/Un cured) <input type="checkbox"/> YES <input type="checkbox"/> NO		
31. EPA-17? <input type="checkbox"/> YES <input type="checkbox"/> NO				34. EMPTY CONTAINER REGULATED? <input type="checkbox"/> YES <input type="checkbox"/> NO		
32. OTHER ENVIRONMENTAL HAZARDS? <input type="checkbox"/> YES <input type="checkbox"/> NO				35. FLASH POINT (Degrees Fahrenheit)		

36. OZONE DEPLETING SUBSTANCE ? YES <input type="checkbox"/> NO <input type="checkbox"/>		37. WAIVER REQUIRED? YES <input type="checkbox"/> NO <input type="checkbox"/>		38. WAIVER CTRL ID#	
39. STATEMENT					
To the best of my knowledge and belief, I hereby certify that this requirements package:					
1) Does not include any specification, standard, drawing or other document that requires the use of Class I ODS in the design, manufacture, test, operation, or maintenance of any system, subsystem, component, or process.					
2) Does not include any specification, standard, drawing or other document that establishes a requirement that can only be met by a Class I ODS, and					
3) Does not require the delivery of any item of supply that contains a Class I ODS or any service that includes the use of a Class I ODS					
Compliance certification should be signed one level above the individual generating the requirement.					
40a. RESPONSIBLE ZONE SUPERVISOR (Name and Title)		40b. SIGNATURE		40c. DUTY PHONE	
				40d. DATE	
SECTION IV – HAZARDOUS MATERIAL REFERENCE LISTINGS					
41. FEDERAL SUPPLY CLASS (FSC) IN WHICH ALL ITEMS MUST BE IDENTIFIED AND CERTIFIED					
FSC	TITLE	FSC	TITLE		
6810	Chemicals	8040	Adhesives		
6820	Dyes	Grp 91	Packaged Products Only		
6830	Gases: Compressed and Liquefied	9110	Fuels, Solid		
6840	Pest Control Agents and Disinfectants	9130	Liquid Propellants and Fuels, Petroleum Base		
6850	Miscellaneous Chemical Specialties	9135	Liquid Propellant Fuels and Oxidizers, Chemical Base		
7930	Cleaning and Polishing compounds and Preparations	9140	Fuel Oils		
8010	Paints, Dopes Varnishes, and Related Products	9150	Oils and Greases: Cutting, Lubricating, And Hydraulic		
8030	Preservative and Sealing Compounds	9160	Miscellaneous Waxes, Oils and Fats		
42. CLASS I OZONE DEPLETING SUBSTANCES (ODS)					
Chlorofluorocarbons (CFCs): CFC-11, CFC-12, CFC-13, CFC-111, CFC-112, CFC-113, CFC-114, CFC-115, CFC-211, CFC-212, CFC-213					
CFC-214, CFC-215, CFC-216, and CFC-217					
Halons: Halon-1011, Halon-12-2, Halon-1211, Halon-1301, and Halon-2402					
Other ODSs: Carbon Tetrachloride, Methyl Chloroform (1,1,1-Trichloroethane), and Methyl Bromide					
43. EPA TOXIC CHEMICALS (EPA-17)					
Benzene		Cyanides		Methyl Isobutyl Ketone (MIBK)	
Cadmium and compounds		Dichloromethane		Nickel and compounds	
Carbon Tetrachloride		Lead and compounds		Perchloroethylene	
Chloroform		Mercury and compounds		Toluene	
Chromium and compounds		Methyl Ethyl Ketone (MEK)		Trichloroethane	
				Trichloroethylene (TCE)	
				Xylene	
SECTION V – HAZARDOUS MATERIAL CELL (Voice: 257-9898 /FAX: 476-1571)					
ISSUE POINT MANAGER (IPM)	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	44a. CERTIFYING OFFICIAL (Name/Title)	44b. SIGNATURE	44c. DATE	
UNIT ENVIRONMENTAL COORDINATOR (UEC)	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	44a. CERTIFYING OFFICIAL (Name/Title)	44b. SIGNATURE	44c. DATE	
BIOENVIRONMENTAL ENGINEERING	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	45a. CERTIFYING OFFICIAL (Name/Title)	45b. SIGNATURE	45c. DATE	
ENVIRONMENTAL MANAGEMENT	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	46a. CERTIFYING OFFICIAL (Name/Title)	46b. SIGNATURE	46c. DATE	
47. <input type="checkbox"/> Acutely Hazardous (IEX 9/C) <input type="checkbox"/> Potentially Hazardous (IEX 8/B) <input type="checkbox"/> Non-Hazardous (IEX HHF/A) <input type="checkbox"/> ODS (IEX M/O)					
48. REASON FOR DISAPPROVAL:					
49. RECOMMENDED SUITABLE SUBSTITUTE:					
51. MATERIAL REVIEW CODE			52. HAZARD CLASS/STORAGE CODE		
53. DISPOSAL CODE	54. PROCESS CODE	55. REVIEW DATE	56. NEXT REVIEW DATE		
57. Haz Mat Cell (Data Entry Clerk)				58. Date Completed	

ZONE/EMPLOYEE INPUT FORM

PRIVACY ACT STATEMENT

ROUTINE USE(s): The primary use of this information is to provide, plan, and coordinate health care. As prior to enactment of the Privacy Act, other possible uses are to aid in preventative health and communicable disease control programs and report medical conditions required by law to federal, state, and local agencies; compile statistical data; conduct research; teach; determine suitability of persons for service or assignments; adjudicate claims or determine benefits; other lawful purposes, including law enforcement and litigation; conduct authorized investigations; evaluate care rendered; determine professional certification and hospital accreditation; provide physical qualifications of patients to agencies of federal, state, or local government upon request in the pursuit of their official duties.

4. DATE SUBMITTED

7. BUILDING/AREA

8c. How is the above hazardous materials applied? (*sprayed, brushed, with a cloth, used in vat or dip tank, etc.*)

9c. PHONE

10e. SIGNATURE

11e. PHONE

12b. SIGNATURE	
----------------	--

13b. SIGNATURE

JOB TITLE

[illegible]

17. Date Completed	
--------------------	--

SUPERVISOR/EMPLOYEE MOVEMENT INPUT

PRIVACY ACT STATEMENT

ROUTINE USE(S): The primary use of this information is to provide, plan, and coordinate health care. As prior to enactment of the Privacy Act, other possible uses are to aid in preventative health and communicable disease control programs and report medical conditions required by law to federal, state, and local agencies; compile statistical data; conduct research; teach; determine suitability of persons for service or assignments; adjudicate claims or determine benefits; other lawful purposes, including law enforcement and litigation; conduct authorized investigations; evaluate care rendered; determine professional certification and hospital accreditation; provide physical qualifications of patients to agencies of federal, state, or local government upon request in the pursuit of their official duties.

15. UEC Signature

ZONE DATA *

DELETE

19. **Date Completed:**